



NAVAIR Point Mugu is one of the ten Naval Air Systems Command sites that provide cost-wise readiness and dominant maritime combat power to make a great Navy/Marine Corps team better. An integral part of the Naval Air Warfare Center, the facilities and work force located at Point Mugu provide efficient deployment of new weapon systems through a unique combination of its co-located laboratories, ranges, weapons test squadrons and the Navy's operational test organization. As the recognized Electronic Warfare (EW) Center of Excellence for the Naval Aviation Enterprise team, Point Mugu supports the Fleet EW community from concept development to year round EW Intelligence operational support. Additionally, Point Mugu supports fleet training and tactics development, particularly large scale, major exercises, including Fleet Battle Experiments on the Pacific Sea Range.

Mission

NAVAIR Point Mugu's mission is to support NAVAIR in providing unsurpassed products and services to the fleet by:

- Performing research, development, test and evaluation (RDT&E) and logistics.
- Providing in-service support for guided missiles, free-fall weapons, targets, support equipment, crew systems and electronic warfare
- Integrating weapons and avionics on tactical aircraft
- Operation of the Navy's Sea Range
- Developing and applying new technology to ensure battlespace dominance

NAVAIR Point Mugu is a leader in RDT&E of guided missiles, electronic warfare, advanced weapons and weapon systems – proven through 50 years of unparalleled products.

- World leader in development and integration of tactical electronic combat systems for the protection of Navy and Marine Corps aircraft
- World leader in complex weapon systems and software integration
- Unique world-class facilities and test ranges

Products and Services

NAVAIR Point Mugu has a 36,000 square-mile instrumented sea range, including San Nicolas Island, to support both developmental and operational test and evaluation of missiles, free-fall weapons and electronic warfare systems.

Expertise includes Sea Range operations, mono- and bi-static radar cross-section measurement; surface and air target operations, and test and evaluation engineering. Fleet training is supported for live-fire weapons launched from aircraft, ships and submarines. Examples of weapon systems supported include High-speed, Anti-radiation Missile (HARM), Joint Direct Attack Munition (JDAM), Joint Standoff Weapon (JSOW), Sidewinder, Sparrow, Tomahawk, Phoenix, AMRAAM and Standard Missile.

Weapon System Integration and Electronic Warfare Center of Excellence: NAVAIR Point Mugu provides integration of weapons, electronic warfare systems, and avionics onto tactical aircraft. In-house expertise ranges from requirements definition through mission system design and developmental testing, trainer/support equipment upgrades, operator/maintainer handbooks, mission planning, fleet support and foreign military sales. Operational Electronic Warfare intelligence analysis and software updates are provided to the Fleet on a year round basis. The Point Mugu team provides real-time EW reach-back support for U.S. Navy airborne tactical forces during wartime and peacetime operations.

NAVAIR Point Mugu provides a wide range of synergistic EW support to TACAIR platforms, Airborne Electronic Attack (AEA) platforms, self-protect and stand-off jammers, infrared countermeasures, radar warning receivers, chaff and decoys, threat simulation, intelligence/sensor engineering, and jamming technique optimization for Naval, USMC, Air Force, and FMS customers (aircraft supported include the EA-6B, EA-18G, E-2C, MH-60, F/A-18, JSF and other platforms). With current emphasis on network centric warfare, the concept of weapon/platform integration is being extended to battle space integration.

Point Mugu is interconnecting virtual, real, and hardware-in-the-loop facilities across NAVAIR and at other services to develop and test network interoperability between various weapons systems.

In-Service Engineering: NAVAIR Point Mugu provides engineering and training support to the fleet for in-service weapons missile test equipment and missile, weapons, and electronic warfare support equipment. Expertise includes maintenance (logistics support, inspection, repair), documentation (maintenance manuals, assembly manuals, technical publications), supply support, training and fleet on-site engineering technical support.

People

NAVAIR Point Mugu employs more than 1600 civilian employees, 240 active duty military personnel and 145 on-site civilian contractors.

Facilities

Point Mugu is a tenant command on Naval Base Ventura County, a component of the Navy Southwest Region, San Diego, Ca. The Sea Range at Point Mugu is ideal for testing weapon systems and developing tactics.

- 36,000 square miles of restricted airspace over the Sea Range
- Test area expandable to 125,000 square miles
- Geographical features include littoral areas, deep-water ports and San Nicolas Island
- Airfields on San Nicolas Island and at Naval Base Ventura County, Point Mugu

Accomplishments

During 60 years of service to the Navy and the nation, the Weapons Division has produced a substantial record of accomplishments. You will find a sampling of some of the singular events that have ensured NAWCWD's reputation as the Navy's premier weapons research, development, test and evaluation command at www.nawcwd.navy.mil. Major command awards and accomplishments include:

- Point Mugu helped achieve initial fleet capability of JDAM on the F-14B and was critical to the successful emergency release and installation of JDAM on three forward deployed F-14D squadrons in January 2003
- Improved communications, navigation and weapon systems capabilities on EA-6B by developing the ICAP II upgrade kit
- Significantly improved Electronic Attack capabilities on EA-6B by developing the ICAP III upgrade kit
- Delivered the Integrated Defensive Electronic Countermeasures Block I system for fleet operational testing on the F/A-18
- Improved radar warning receivers, electronic jammers, missile warning receivers, chaff and decoys
- Supported deployed EA-6B squadrons during Operation Iraqi Freedom, operation Enduring Freedom and the Global War On Terrorism with electronic warfare data-base, intelligence, information warfare, and electronic upgrades
- Received the Harold Metcalf Services Award from the Federal Laboratories Consortium in 2003

- The EA-6B IPT and TACAIR EW IPT receive CMM level 3 accreditations in 2004
- Provided the sole Weapon Systems Support Activity through the entire lifecycle of all F-14 and Phoenix missile variants

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